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Estimations of Magnitude of Nova Aurigæ, made at the Radcliffe Observatory, Oxford. Communicated by E. J. Stone, M.A., F.R.S., Radcliffe Observer.

Estimations of the magnitude of the *Nova* have been made on the following twenty-three nights :—1893, January 16, 17, 20 ; February 4, 7, 8, 11, 16, 28 ; March 4, 10, 16, 27 ; April 4, 12, 21 ; May 3, 10 ; August 24 ; November 9. 1894, January 12, 23 ; and November 5. No sensible change was detected, the magnitude remaining at 9·7 on the scale published in the *Monthly Notices*, vol. lii. 6, p. 431, where a chart is given of the selected comparison stars.

Ephemerides of the Five Inner Satellites of Saturn, 1895.

By A. Marth.

Greenwich Noon. 1895.	P	L	B	*B*	A−L	Long. of Centr. Mer.	B′
	°	°	°	°	°	°	°
Feb. 25	359·953	215·661	+18·392	+16·808	−5·042	200·66	+20·28
Mar. 2	·940	215·555	18·337	16·865	4·782	105·10	20·22
7	·922	215·410	18·270	16·921	4·481	9·57	20·14
12	·899	215·226	18·191	16·977	4·141	274·06	20·06
17	·872	215·005	18·102	17·033	3·765	178·55	19·96
22	·840	214·751	18·003	17·090	3·356	83·05	19·85
27	359·805	214·467	+17·896	+17·147	−2·917	347·55	+19·74
Apr. 1	·767	214·157	17·781	17·204	2·451	252·04	19·61
6	·727	213·824	17·659	17·260	1·963	156·52	19·48
11	·684	213·474	17·533	17·316	1·458	60·98	19·34
16	·639	213·111	17·405	17·372	0·940	325·42	19·20
21	·594	212·740	17·275	17·428	−0·413	229·83	19·06
26	359·548	212·366	+17·146	+17·484	+0·116	134·21	+18·92
May 1	·503	211·994	17·019	17·539	0·644	38·55	18·78
6	·458	211·628	16·895	17·594	1·165	302·84	18·65
11	·415	211·274	16·777	17·650	1·675	207·09	18·52
16	·374	210·935	16·666	17·705	2·170	111·29	18·40
21	·335	210·616	16·563	17·760	2·645	15·43	18·29
26	359·299	210·320	+16·471	+17·814	+3·097	279·52	+18·19
31	·266	210·051	16·390	17·869	3·521	183·55	18·10
June 5	·237	209·813	16·321	17·924	3·915	87·53	18·02
10	·212	209·607	16·235	17·978	4·277	351·45	17·96
15	·191	209·436	16·223	18·032	4·604	255·30	17·92
20	·175	209·301	16·195	18·086	4·895	159·10	17·89
25	359·163	209·205	+16·182	+18·140	+5·148	62·85	+17·87
30	·156	209·148	16·184	18·194	5·361	326·54	17·87
July 5	·154	209·130	16·201	18·248	5·535	230·17	17·89
10	·157	299·152	16·233	18·302	5·669	133·76	17·93
15	·164	209·214	16·280	18·355	5·764	37·30	17·98
20	·176	209·315	16·342	18·408	5·820	300·80	18·05
25	359·193	209·455	+16·417	+18·461	+5·837	204·26	+18·13

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P denotes the position-angle of the axis of *Saturn*; L + 180° the planetocentric longitude of the Earth referred to the planet's equator; Λ + 180° that of the Sun, or Λ − L the difference between the two. B and *B* denote the planetocentric latitudes of the Earth and Sun above the planet's equator, the inclination I and node N of which referred to the plane of the Earth's equator are assumed to be for

$$1895{\cdot}0 \quad I = 6^\circ{\cdot}9391 \quad N = 126^\circ{\cdot}0552.$$

The longitudes of *Saturn's* central meridian are a continuation of those given in the ephemerides for 1893 and 1894, the adopted daily rate of rotation being 844°·80. The differences between successive values, for an interval of five days, vary between 4223°·46 and 4224°·50.

The first column in the next table contains *Saturn's* brightness expressed in star-magnitudes according to the formula given by Professor G. Müller in his *Helligkeitsbestimmungen der Planeten*, in vol. viii. p. 366 of the Potsdam publications.

In the uncertainty of the real dimensions of *Saturn's* disc, I have for the present ephemeris adopted 17″·50 and 15″·75 as the values of the diameters at the distance 9·5389 and 40″·20 as that of the ring, though H. Struve's observations of conjunctions of satellites with the ends of the ring give 39″·2 (*v. Monthly Notices*, vol. liv. p. 470) or a value even smaller than Bessel's.

If $e = \sin \epsilon_0$ is the eccentricity of the planet's spheroid, or $\cos \epsilon_0$ the proportion of the polar to the equatorial diameter, the proportion of the apparent semi-axes b and a of the disc as seen from a distant point in planetocentric latitude B will be

$$\cos \epsilon = \cos \epsilon_0 \,.\, \sqrt{1 + \tan^2 \epsilon_0 \sin^2 B},$$

or

$$b = a \cos \epsilon = a \cos \epsilon_0 \,.\, \sec \nu,$$

if

$$\tan \nu = \tan \epsilon_0 \sin B.$$

If y is the distance of a belt from the centre of the disc measured along the polar semi-axis b, the latitude β' of the belt is found by

$$\sin(\beta' - B') = \frac{y}{b},$$

from which the planetocentric latitude β, if it should be required, may be deduced by

$$\tan \beta = \tan \beta' \,.\, \cos \epsilon_0.$$

The values of B′ found from

$$B' \tan B' = \tan B \sec \epsilon_0$$

are given in the last column of the preceding table.—In the tables for the five satellites, a and b denote the semi-axes of the

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apparent orbits, $l-$L the orbital longitudes reckoned from the points which are in superior conjunction with the planet's centre or in opposition to the Earth in longitude. By adding to $l-$L the value of L from the preceding table, the longitudes l are found, which are already corrected for the equation of light.

Greenwich Noon.	♄'s Mag.	Semidiameter of Ball.			Semiaxis of Ring.		*Mimas.*		
		Equat.	Defect.	Polar.	Major	Minor.	a_1	b_1	l_1-L
1895	m	"	"	"	"	"	"	"	°
Feb. 25	0·63	9·01	0·035	8·21	20·71	6·53	27·68	+8·73	151·64
Mar. 2	0·61	9·08	·032	8·27	20·87	6·56	27·89	8·78	261·93
7	0·58	9·15	·028	8·33	21·02	6·59	28·10	8·81	12·25
12	0·55	9·21	·024	8·39	21·16	6·61	28·29	8·83	122·59
17	0·53	9·27	·020	8·44	21·29	6·62	28·46	8·84	232·96
22	0·50	9·32	·016	8·48	21·41	6·62	28·62	8·85	343·35
27	0·47	9·37	·012	8·52	21·52	6·61	28·76	+8·84	93·75
Apr. 1	0·45	9·41	·009	8·56	21·61	6·60	28·88	8·82	204·16
6	0·42	9·44	·006	8·59	21·68	6·58	28·98	8·79	314·58
11	0·40	9·46	·003	8·61	21·74	6·55	29·06	8·75	65·01
16	0·38	9·48	·001	8·62	21·78	6·51	29·11	8·71	175·43
21	0·36	9·49	·000	8·63	21·80	6·47	29·14	8·65	285·84
26	0·35	9·49	...	8·63	21·80	6·43	29·14	+8·59	36·24
May 1	0·37	9·48	·000	8·62	21·79	6·38	29·12	8·52	146·62
6	0·41	9·47	·002	8·60	21·75	6·32	29·07	8·45	256·97
11	0·44	9·44	·004	8·58	21·69	6·26	29·00	8·37	7·30
16	0·47	9·41	·007	8·55	21·62	6·20	28·90	8·29	117·60
21	0·51	9·37	·010	8·52	21·54	6·14	28·79	8·21	227·86
26	0·54	9·33	·014	8·48	21·44	6·08	28·65	+8·12	338·09
31	0·57	9·28	·018	8·43	21·32	6·02	28·50	8·04	88·28
June 5	0·60	9·22	·022	8·38	21·19	5·96	28·33	7·96	198·42
10	0·64	9·16	·026	8·32	21·05	5·90	28·14	7·88	308·52
15	0·67	9·10	·029	8·26	20·90	5·84	27·94	7·81	58·57
20	0·70	9·03	·033	8·20	20·75	5·79	27·74	7·74	168·58
25	0·72	8·96	·036	8·14	20·59	5·74	27·52	+7·67	278·54
30	0·75	8·89	·038	8·08	20·42	5·69	27·30	7·61	28·45
July 5	0·78	8·82	·040	8·01	20·25	5·65	27·07	7·55	138·32
10	0·80	8·74	·042	7·94	20·08	5·61	26·85	7·50	248·15
15	0·82	8·67	·044	7·87	19·91	5·58	26·62	7·46	357·93
20	0·84	8·60	·044	7·81	19·74	5·56	26·39	7·43	107·67
25	0·86	8·52	0·044	7·74	19·58	5·53	26·17	+7·40	217·37

The differences of successive values of l_1-L vary between 1909°·70 and 1910°·43.

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		Enceladus.				*Tethys.*			
1895.	a_2	b_2	l_2-L	Diff.	a_3	b_3	l_3-L	Diff.
	″	″	°	°	″	″	°	°
Feb. 25	35·51	+11·20	44·06	1313·87	43·96	+13·87	278·28	953·67
Mar. 2	35·78	11·26	277·93	·91	44·30	13·94	151·95	·71
7	36·04	11·30	151·84	·94	44·62	13·99	25·66	·73
12	36·29	11·33	25·78	·96	44·92	14·02	259·39	·77
17	36·51	11·35	259·74	1313·99	45·20	14·04	133·16	·80
22	36·72	11·35	133·73	1314·01	45·45	14·05	6·96	·82
27	36·90	+11·34	7·74	·03	45·68	+14·04	240·78	·84
Apr. 1	37·05	11·32	241·77	·04	45·87	14·01	114·62	·85
6	37·18	11·28	115·81	·04	46·03	13·96	348·47	·86
11	37·28	11·23	349·85	·05	46·15	13·90	222·33	·87
16	37·35	11·17	223·90	·04	46·23	13·83	96·20	·87
21	37·38	11·10	97·94	·04	46·27	13·74	330·07	·86
26	37·38	+11·02	331·98	·02	46·28	+13·64	203·93	953·85
May 1	37·35	10·93	206·00	1314·00	46·24	13·53	77·78	·84
6	37·29	10·84	80·00	1313·98	46·17	13·42	311·62	·82
11	37·20	10·74	313·98	·96	46·05	13·29	185·44	·79
16	37·08	10·63	187·94	·92	45·90	13·16	59·23	·77
21	36·93	10·53	61·86	·89	45·72	13·03	293·00	·73
26	36·76	+10·42	295·75	·85	45·50	+12·90	166·73	·70
31	36·56	10·32	169·60	·82	45·25	12·77	40·43	·67
June 5	36·34	10·21	43·42	·78	44·98	12·64	274·10	·63
10	36·10	10·11	277·20	·73	44·69	12·52	147·73	·59
15	35·85	10·01	150·93	·69	44·38	12·40	21·32	·55
20	35·58	9·92	24·62	·65	44·05	12·29	254·87	·50
25	35·30	+ 9·84	258·27	·60	43·70	+12·18	128·37	·46
30	35·02	9·76	131·87	·56	43·35	12·08	1·83	·42
July 5	34·73	9·69	5·43	·52	42·99	12·00	235·25	·38
10	34·44	9·63	238·95	·47	42·63	11·92	108·63	·33
15	34·15	9·57	112·42	·43	42·27	11·85	341·96	·29
20	33·86	9·53	345·85	1313·40	41·91	11·79	215·25	953·26
25	33·57	+ 9·49	219·25		41·56	+11·75	88·51	

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		Dione.				*Rhea.*			
1895.		a_4	b_4	l_4-L.	Diff.	a_5	b_5	l_5-L.	Diff.
		″	″	°	°	″	″	°	°
Feb.	25	56·30	+17·76	73·19	657·83	78·63	+24·81	311·17	398·59
Mar.	2	56·73	17·85	11·02	·87	79·23	24·93	349·76	·63
	7	57·14	17·91	308·89	·91	79·80	25·02	28·39	·66
	12	57·53	17·96	246·80	·94	80·34	25·08	67·05	·70
	17	57·89	17·99	184·74	·96	80·84	25·12	105·75	·73
	22	58·21	17·99	122·70	657·99	81·30	25·13	144·48	·75
	27	58·50	+17·98	60·69	658·02	81·70	+25·10	183·23	·78
Apr.	1	58·75	17·94	358·71	·03	82·04	25·05	222·01	·79
	6	58·95	17·88	296·74	·04	82·32	24·97	260·80	·81
	11	59·11	17·81	234·78	·05	82·54	24·87	299·61	·82
	16	59·21	17·71	172·83	·05	82·69	24·74	338·43	·83
	21	59·27	17·60	110·88	·05	82·77	24·58	17·26	·82
	26	59·27	+17·47	48·93	·04	82·77	+24·40	56·08	·82
May	1	59·22	17·33	346·97	·03	82·71	24·21	94·90	·81
	6	59·13	17·18	285·00	658·02	82·57	24·00	133·71	·80
	11	58·98	17·02	223·02	657·99	82·37	23·78	172·51	·77
	16	58·79	16·86	161·01	·96	82·10	23·55	211·28	·75
	21	58·55	16·69	92·97	·94	81·77	23·31	250·03	·73
	26	58·27	+16·52	36·91	·91	81·38	+23·07	288·76	·70
	31	57·96	16·35	334·82	·87	80·94	22·84	327·46	·66
June	5	57·61	16·19	272·69	·83	80·46	22·61	6·12	·63
	10	57·24	16·03	210·52	·80	79·93	22·39	44·75	·59
	15	56·84	15·88	148·32	·76	79·37	22·17	83·34	·56
	20	56·41	15·73	86·08	·72	78·78	21·97	121·90	·51
	25	55·97	+15·60	23·80	·67	78·17	+21·78	160·41	·47
	30	55·52	15·48	321·47	·63	77·54	21·61	198·88	·44
July	5	55·06	15·36	259·10	·60	76·90	21·46	237·32	·39
	10	54·60	15·26	196·70	·55	76·25	21·32	275·71	·35
	15	54·14	15·18	134·25	·51	75·61	21·20	314·06	·31
	20	53·68	15·10	71·76	657·47	74·96	21·09	352·37	398·27
	25	53·22	+15·04	9·23		74·33	+21·01	30·64	

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These values are to be interpolated for the times for which the apparent places of the satellites are required, when the position-angles p and distances s, or the rectangular coordinates x and y referred to the axes of the disc of *Saturn*, are found by means of the formulæ

$$s \sin (p-\mathrm{P}) = x = a \sin (l-\mathrm{L})$$

$$s \cos (p-\mathrm{P}) = y = b \cos (l-\mathrm{L}).$$

Approximate Greenwich times of conjunctions of the satellites with the centre of the planet, or of their crossing the direction of the polar axis of the ball ; "*n*" satellite north, in superior conjunction, moving from the preceding to the following side ; "*s*" satellite south, in inferior conjunction, moving from the following to the preceding side. In the case of Rhea the times of the greatest elongations, "*e*" east, "*w*" west, are also given.

1895.	G.M.T. h	
Feb. 25	10·3	Te. *n*
	12·2	En. *s*
	13·1	Mi. *n*
	14·7	Rh. *n*
	19·5	Di. *s*
26	0·4	Mi. *s*
	8·9	Te. *s*
	11·7	Mi. *n*
	17·8	Rh. *e*
	21·3	En. *s*
	23·0	Mi. *s*
27	7·6	Te. *n*
	10·3	Mi. *n*
	13·7	En. *n*
	20·9	Rh. *s*
	21·6	Mi. *s*
28	13·2	Di. *s*
	20·2	Mi. *s*
	22·6	En. *n*
Mar. 1	15·0	En. *s*
	18·8	Mi. *s*
	22·0	Di. *n*
2	17·5	Mi. *s*
	23·9	En. *s*
3	6·2	Rh. *e*
	6·8	Di. *s*
	16·1	Mi. *s*
	16·4	En. *n*
4	0·8	Te. *s*
	9·3	Rh. *s*
	14·7	Mi. *s*
	15·7	Di. *n*
	23·5	Te. *n*
5	12·4	Rh. *w*
	13·3	Mi. *s*
	17·7	En. *s*
	22·1	Te. *s*
Mar. 6	0·5	Di. *s*
	10·1	En. *n*
	11·9	Mi. *s*
	15·4	Rh. *n*
	20·8	Te. *n*
	23·2	Mi. *n*
7	9·3	Di. *n*
	10·5	Mi. *s*
	18·5	Rh. *e*
	19·0	En. *n*
	19·4	Te. *s*
	21·8	Mi. *n*
8	11·4	En. *s*
	18·1	Te. *n*
	18·1	Di. *s*
	20·5	Mi. *n*
	21·6	Rh. *s*
9	16·7	Te. *s*
	19·1	Mi. *n*
	20·3	En. *s*
10	0·7	Rh. *w*
	12·8	En. *n*
	15·4	Te. *n*
	17·7	Mi. *n*
11	11·8	Di. *s*
	14·0	Te. *s*
	16·3	Mi. *n*
	21·6	En. *n*
12	6·9	Rh. *e*
	12·6	Te. *n*
	14·1	En. *s*
	14·9	Mi. *n*
	20·6	Di. *s*
13	10·0	Rh. *s*
	11·3	Te. *s*
14	9·9	Te. *n*
	13·1	Rh. *w*
Mar. 15	14·3	Di. *n*
	16·2	Rh. *n*
	22·1	Mi. *s*
16	0·3	En. *n*
	7·2	Te. *n*
	9·4	Mi. *n*
	16·7	En. *s*
	19·3	Rh. *e*
	20·7	Mi. *s*
	23·1	Di. *s*
17	5·9	Te. *s*
	8·0	Mi. *n*
	9·2	En. *n*
	19·3	Mi. *s*
	22·3	Rh. *s*
18	8·0	Di. *n*
	17·9	Mi. *s*
	18·0	En. *n*
19	10·5	En. *s*
	16·5	Mi. *s*
	16·8	Di. *s*
20	4·5	Rh. *n*
	15·1	Mi. *s*
	19·3	En. *s*
21	0·5	Te. *s*
	7·6	Rh. *e*
	11·8	En. *n*
	15·7	Mi. *s*
	23·1	Te. *n*
22	10·4	Di. *s*
	10·7	Rh. *s*
	12·3	Mi. *s*
	20·7	En. *n*
	21·8	Te. *s*
23	11·0	Mi. *s*
	13·1	En. *s*
	13·8	Rh. *w*

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1895.	G.M.T. h	
Mar. 23	19·3	Di. *n*
	20·4	Te. *n*
	22·3	Mi. *n*
24	16·9	Rh. *n*
	19·1	Te. *s*
	20·9	Mi. *n*
	22·0	En. *s*
25	14·4	En. *n*
	17·7	Te. *n*
	19·5	Mi. *n*
	19·9	Rh. *e*
26	12·9	Di. *n*
	16·3	Te. *s*
	18·1	Mi. *n*
	23·0	Rh. *s*
	23·3	En. *n*
27	15·0	Te. *n*
	15·7	En. *s*
	16·7	Mi. *n*
	21·8	Di. *s*
28	13·6	Te. *s*
	15·3	Mi. *n*
29	5·2	Rh. *n*
	6·6	Di. *n*
	12·3	Te. *n*
	13·9	Mi. *n*
	17·0	En. *n*
30	8·3	Rh. *e*
	9·5	En. *s*
	10·9	Te. *s*
	12·6	Mi. *n*
	15·4	Di. *s*
31	9·6	Te. *n*
	11·2	Mi. *n*
	11·4	Rh. *s*
	18·4	En. *s*
Apr. 1	8·2	Te. *s*
	9·8	Mi. *n*
	10·8	En. *n*
	14·4	Rh. *w*
	21·1	Mi. *s*
2	6·9	Te. *n*
	8·4	Mi. *n*
	9·1	Di. *s*
	17·5	Rh. *n*
	19·7	En. *n*
	19·7	Mi. *s*
3	12·1	En. *s*
	17·9	Di. *n*
	18·3	Mi. *s*
	20·6	Rh. *e*
4	16·9	Mi. *s*
	21·0	En. *s*
	23·7	Rh. *s*
5	13·4	En. *n*
	15·5	Mi. *s*
6	11·5	Di. *n*
	14·2	Mi. *s*
Apr. 6	22·3	En. *n*
7	0·1	Te. *s*
	12·8	Mi. *s*
	14·7	En. *s*
	20·4	Di. *s*
	22·7	Te. *n*
8	8·9	Rh. *e*
	11·4	Mi. *s*
	21·4	Te. *s*
9	12·0	Rh. *s*
	20·0	Te. *n*
10	14·0	Di. *s*
	15·1	Rh. *w*
	18·7	Te. *s*
11	17·3	Te. *n*
	17·4	En. *s*
	18·2	Rh. *n*
	18·5	Mi. *n*
	22·8	Di. *n*
12	9·8	En. *n*
	16·0	Te. *s*
	17·1	Mi. *n*
	21·2	Rh. *e*
13	7·7	Di. *s*
	14·6	Te. *n*
	15·7	Mi. *n*
	18·7	En. *n*
14	0·3	Rh. *s*
	11·1	En. *s*
	13·2	Te. *s*
	14·4	Mi. *n*
	16·5	Di. *n*
15	11·9	Te. *n*
	13·0	Mi. *n*
	20·0	En. *s*
16	6·5	Rh. *n*
	10·5	Te. *s*
	11·6	Mi. *n*
	12·4	En. *n*
17	9·2	Te. *n*
	9·6	Rh. *e*
	10·1	Di. *n*
	10·2	Mi. *n*
	21·3	En. *n*
	21·5	Mi. *s*
18	7·8	Te. *s*
	8·8	Mi. *n*
	12·6	Rh. *s*
	13·7	En. *s*
	19·0	Di. *s*
	20·1	Mi. *s*
19	15·7	Rh. *w*
	18·7	Mi. *s*
	22·6	En. *s*
20	15·1	En. *n*
	17·3	Mi. *s*
	18·8	Rh. *n*
21	12·6	Di. *s*
Apr. 21	16·0	Mi. *s*
	21·9	Rh. *e*
22	14·6	Mi. *s*
	16·4	En. *s*
	21·4	Di. *n*
23	8·8	En. *n*
	13·2	Mi. *s*
24	6·2	Di. *s*
	11·8	Mi. *s*
	17·7	En. *n*
25	7·1	Rh. *n*
	10·1	En. *s*
	10·4	Mi. *s*
	15·1	Di. *n*
	21·0	Te. *s*
26	9·0	Mi. *s*
	10·2	Rh. *e*
	19·0	En. *s*
	19·6	Te. *n*
	20·3	Mi. *n*
27	11·4	En. *n*
	13·3	Rh. *s*
	18·3	Te. *s*
	18·9	Mi. *n*
28	8·7	Di. *n*
	16·4	Rh. *w*
	16·9	Te. *n*
	17·6	Mi. *n*
	20·3	En. *n*
29	12·7	En. *s*
	15·6	Te. *s*
	16·2	Mi. *n*
	17·6	Di. *s*
	19·4	Rh. *w*
30	14·2	Te. *n*
	14·8	Mi. *n*
	21·6	En. *s*
	22·5	Rh. *e*
May 1	12·9	Te. *s*
	13·4	Mi. *n*
	14·1	En. *n*
2	11·2	Di. *s*
	11·5	Te. *n*
	12·0	Mi. *n*
3	10·1	Te. *s*
	10·6	Mi. *n*
	15·4	En. *s*
	20·0	Di. *n*
4	7·8	Rh. *n*
	7·8	En. *n*
	8·8	Te. *n*
	9·2	Mi. *n*
5	7·4	Te. *s*
	7·9	Mi. *n*
	10·8	Rh. *e*
	16·7	En. *n*
6	9·1	En. *s*
	13·7	Di. *n*

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May 6	13·9	Rh. *s*
7	17·0	Rh. *w*
8	10·4	En. *n*
	15·0	Mi. *s*
	20·1	Rh. *n*
9	7·3	Di. *n*
	13·6	Mi. *s*
	19·3	En. *n*
10	11·8	En. *s*
	12·3	Mi. *s*
	16·2	Di. *s*
11	10·8	Mi. *s*
	20·6	En. *s*
	22·0	Te. *n*
12	9·5	Mi. *s*
	13·1	En. *n*
	20·6	Te. *s*
	20·8	Mi. *n*
13	8·4	Rh. *n*
	9·8	Di. *s*
	19·3	Te. *n*
	19·4	Mi. *n*
14	11·5	Rh. *e*
	14·4	En. *s*
	17·9	Te. *s*
	18·0	Mi. *n*
	18·6	Di. *n*
15	14·6	Rh. *s*
	16·5	Te. *n*
	16·6	Mi. *n*
16	15·2	Te. *s*
	15·2	Mi. *n*
	15·7	En. *n*
	17·7	Rh. *w*
17	8·1	En. *s*
	12·3	Di. *n*
	13·8	Te. *n*
	13·8	Mi. *n*
	20·7	Rh. *n*
18	12·5	Mi. *n*
	12·5	Te. *s*
	17·0	En. *s*
	21·1	Di. *s*
19	9·5	En. *n*
	11·1	Mi. *n*
	11·1	Te. *n*
20	9·7	Mi. *n*
	9·8	Te. *s*
	18·3	En. *n*
21	8·4	Te. *n*
	10·8	En. *s*
	14·8	Di. *s*
	19·6	Mi. *s*
22	7·1	Te. *s*
	9·1	Rh. *n*
	18·2	Mi. *s*
	19·7	En. *s*
May 23	12·1	En. *n*
	12·2	Rh. *e*
	16·8	Mi. *s*
24	8·4	Di. *s*
	15·3	Rh. *s*
	15·4	Mi. *s*
25	13·4	En. *s*
	14·1	Mi. *s*
	17·3	Di. *n*
	18·4	Rh. *w*
26	12·7	Mi. *s*
	21·4	Rh. *n*
27	11·3	Mi. *s*
	14·7	En. *n*
28	9·9	Mi. *s*
	10·9	Di. *n*
29	16·1	En. *s*
	19·8	Di. *s*
	19·8	Mi. *n*
	20·3	Te. *s*
30	8·5	En. *n*
	18·4	Mi. *n*
	18·9	Te. *n*
31	9·8	Rh. *n*
	17·1	Mi. *n*
	17·4	En. *n*
	17·6	Te. *s*
June 1	9·8	En. *s*
	12·9	Rh. *e*
	13·4	Di. *s*
	15·7	Mi. *n*
	16·2	Te. *n*
2	14·3	Mi. *n*
	14·9	Te. *s*
	16·0	Rh. *s*
3	13·5	Te. *n*
	19·1	Rh. *w*
4	12·2	Te. *s*
5	10·1	Mi. *n*
	10·8	Te. *n*
	12·5	En. *s*
	15·9	Di. *n*
6	9·5	Te. *s*
7	8·1	Te. *n*
	13·8	En. *n*
	18·7	Mi. *s*
8	7·4	Rh. *w*
	9·6	Di. *n*
	17·3	Mi. *s*
9	10·5	Rh. *n*
	15·1	En. *s*
	15·9	Mi. *s*
	18·4	Di. *s*
10	13·6	Rh. *e*
	14·5	Mi. *s*
11	13·2	Mi. *s*
	16·4	En. *n*
June 11	16·7	Rh. *s*
12	8·9	En. *s*
	11·8	Mi. *s*
	12·1	Di. *s*
	19·8	Rh. *w*
13	10·4	Mi. *s*
	17·7	En. *s*
	20·9	Di. *n*
14	9·0	Mi. *s*
	10·2	En. *n*
	20·3	Mi. *n*
	21·3	Te. *n*
15	18·9	Mi. *n*
	19·1	En. *n*
	20·0	Te. *s*
16	11·5	En. *s*
	14·6	Di. *n*
	17·6	Mi. *n*
	18·6	Te. *n*
17	8·2	Rh. *w*
	16·2	Mi. *n*
	17·3	Te. *s*
18	11·3	Rh. *n*
	12·9	En. *n*
	14·8	Mi. *n*
	15·9	Te. *n*
19	8·3	Di. *n*
	13·4	Mi. *n*
	14·4	Rh. *e*
	14·6	Te. *s*
20	12·0	Mi. *n*
	13·2	Te. *n*
	14·2	En. *s*
	17·1	Di. *s*
	17·5	Rh. *s*
21	10·6	Mi. *n*
	11·9	Te. *s*
	20·6	Rh. *w*
22	Transit of Venus across Sun's disc (*v. M.N.* vol. liv. p. 173)	
	9·3	Mi. *n*
	10·5	Te. *n*
	15·5	En. *n*
23	9·2	Te. *s*
	10·8	Di. *s*
24	16·8	En. *s*
	17·8	Mi. *s*
25	9·3	En. *n*
	16·2	Mi. *s*
26	9·0	Rh. *w*
	15·0	Mi. *s*
	18·2	En. *n*
27	10·6	En. *s*
	12·1	Rh. *n*
	13·3	Di. *n*

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	G.M.T.			G.M.T.			G.M.T.	
1895.	h		1895.	h		1895.	h	
June 27	13·7	Mi. *s*	July 4	9·6	Di. *s*	July 7	13·0	Te. *n*
28	12·3	Mi. *s*		17·0	Te. *s*		16·1	Rh. *e*
	15·2	Rh. *e*	5	9·8	Rh. *w*	8	11·7	Te. *s*
29	10·9	Mi. *s*		15·7	Te. *n*		12·1	Di. *n*
	11·9	En. *n*		18·4	Di. *n*	9	10·3	Te. *n*
	18·3	Rh. *s*	6	13·0	Rh. *n*	10	9·0	Te. *s*
July 1	15·9	Di. *s*		14·4	Te. *s*			

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Erratum in *Monthly Notices*, vol. liv., No. 9, p. 262, of List of Presents, last paragraph but one from bottom, *for* J. M. Schaeberle *read* Lick Observatory.

Erratum in *Monthly Notices*, vol. liv., No. 9, p. 581 : Comparison of Gale's Comet with stars *f* and *g* on 1894 June 28. In column of Greenwich Mean Solar Time *for* 28^{d} 11^{h} 19^{m} 3^{s} *read* 28^{d} 11^{h} 4^{m} 3^{s}.